

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF GENERAL SERVICES
DIVISION OF PURCHASING AND SUPPLY
SPECIFICATIONS FOR
TRUCK CHASSIS WITH ONE TON DUMP BODY**

PURPOSE:

The purpose of this specification is to establish purchasing criteria for a one ton dump body and chassis for use by the Department of Conservation and Recreation, Agencies, and other Public Bodies of the Commonwealth of Virginia for use in general maintenance and construction work.

The following specifications are intended to define the minimum level of quality and performance of the requested equipment, and are meant to be met or exceeded. The specifications are not meant to be restrictive as to brand name or manufacturer. All equipment bid may be the brand name and model, or shall be **equivalent** to brand names and/or any other specification elements using the **Use of Brand Names** clause (see General Terms and Conditions) in making an equivalence determination.

SCOPE:

Unless otherwise indicated, the specifications shall describe the **minimum requirements** for (4) new dump trucks, to be used by the Virginia Department of Conservation and Recreation.

BIDDER REQUIREMENTS:

The equipment offered in answer to this request for bid must be a new and unused current production model of the equipment required. No prototype or beta test product will be accepted, and offering of such a product will be cause for bid rejection.

Bidder is to provide complete technical specifications for chassis and equipment proposed. Bidders/Vendors shall indicate equivalence on the specifications form next to each specification item, using the lines provided across from the specification items. Bidders/Vendors shall indicate any deviations with appropriate reasons and documentation. The Commonwealth reserves the right to obtain technical data and to request clarification when deemed necessary. **Failure on the part of the bidder/Vendor to provide all requested documentation may be cause to reject the bid/request as non-responsive.**

Provide documentation of warranty for the vehicle and equipment offered in response to this Invitation for Bids.

Vehicles must be put in service by a representative of the contractor at the delivery location. The representative must demonstrate that the vehicle and all installed equipment are operating correctly, with no defects in materials or installation. The representative must operate all the installed equipment on each vehicle, and instruct user personnel in operation and safety requirements of the installed equipment.

VEHICLE SPECIFICATION:

A. TRUCK CAB-CHASSIS SPECIFICATION:

Equivalent Item Data

1. Base Model Description: Ford F350 chassis-cab, or equivalent:

- a. 13,000 lbs. GVW minimum, 60" CA,
approximately 140" wheelbase

2. Engine: V8 gasoline engine, approximately 6.0 Liter

- a. 300HP, minimum
- b. 380 lbs-ft torque, minimum
- c. extra heavy duty alternator
- 3. Transmission: Heavy Duty 5-speed or 6-speed automatic transmission with O/D
 - a. Towhaul feature for transmission
- 4. Front axle: capacity 5,250 lbs, minimum
 - a. Shock absorbers
 - b. Front stabilizer bar
 - c. Front wheels: (2) 17"x 6.5"J steel disc, 8-hole
 - d. Front tires: (2) LT245/75R17E, highway tread
- 5. Rear axle: 9,750 lbs. capacity minimum, Dual rear wheels
 - a. Rear leaf springs, minimum capacity equal to rear axle
 - b. Shock absorbers
 - c. Rear stabilizer bar
 - d. Rear wheels: (4) 17"x 6.5"J steel disc, 8-hole
 - e. Rear tires: (4) LT245/75R17E, mud and snow preferred, highway tread if not available
 - f. Traction control or limited slip differential
- 6. Frame SM and yield strength to be compatible with dump body manufacturer requirements
- 7. Fuel tank: 40 gallons capacity, in frame behind rear axle
- 8. Brakes: 4-wheel antilock, disc type
- 9. Steering: Hydraulic power assisted
- 10. Trailer towing package:
 - a. 7-wire trailer harness to rear of frame
- 11. Two front tow hooks
- 12. Steel full width front bumper
- 13. Air conditioning
- 14. Standard bench front seat with adjustable head restraints
- 15. All standard equipment
- 16. Cab clearance lights
- 17. Paint single color metallic gray, pewter, or equivalent
- 18. Warranty: Provide information for best warranty available

B. 9' DUMP BODY

- 1. Base model description: Godwin model 184-U 9' dump body, or equivalent
 - a. Width: 84" inside
 - b. Length: 9 feet
 - c. Capacity: 2 to 3 cubic yards
- 2. Sides: 10 gauge A-607 hi-tensile steel
 - a. Stationary sides, 18" high
 - b. Boxed top rail

- c. Full length sloping rails
 - d. Fully welded corner posts, full depth
3. Floor: 10 gauge A-607 smooth steel
4. Header: 6" minimum higher than sides
 - a. Full width inverted "V" horizontal head brace
 - b. 10 gauge A-607 steel construction
 - c. 24" long cab protector
5. Tailgate: 10 gauge steel, full welded
 - a. Upper drop pin style fabricated steel hinge
 - b. Lower forged steel hook
 - c. Banjo eye for tailgate chain positioning
6. Understructure: 5" structural channel long sills
 - a. 3" structural channel cross sills
 - b. Channels are gusseted and welded to body
 - c. Safety prop to hold body elevated for maintenance
7. Dump hoist: Godwin model 524DMEMDA sub-frame type, or equal
 - a. Dump hoist operation is electric/hydraulic
8. Electric back-up alarm: must sound when the vehicle is placed in reverse
 - a. Alarm must be solid state and waterproof.
 - b. Alarm is to be wired to sound when the ignition is "on".
 - c. Install alarm inside chassis frame at rear, in a protected location.
9. ICC rear bumper: minimum 4"-6.25 structural channel or equal crossbar
 - a. Use (2) vertical 4"-6.25 structural channels for brackets, shear bolted to the frame
 - b. Channels extend below frame to top of bumper crossbar, and weld to crossbar.
 - c. Refer to Federal Motor Carrier Safety regulations section 393.86 for ICC bumper data.
11. Trailer brake controller: Furnish and install an Epco #500PS, or equivalent electric trailer brake controller
 - a. Install controller under dash panel to the left of the driver.
 - b. Controller wiring conductors to be minimum 14 gauge stranded copper, and jacketed to resist moisture, temperature, oil, and dirt.
 - c. Use a 20 amp self-resetting circuit breaker in the power wire to the controller.
12. Trailer tow package: Reese or Buyers 2" receiver hitch
 - a. (2) eyes for trailer safety chains
 - b. Furnish and install an SAE J560 trailer socket, located street side rear

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DELIVERY TIME ARO FOR (1) DUMP TRUCK PER SPECIFICATIONS _____

TOTAL PRICE FOR (1) COMPLETED DUMP TRUCK PER SPECIFICATIONS, INCLUDING DELIVERY \$
